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 NEWS  3  Feb 06   Engineering Information Encompass files have new names
 NEWS  4  Feb 16   TOXLINE no longer being updated
 NEWS  5  Apr 23   Search Derwent WPINDEX by chemical structure
 NEWS  6  Apr 23   PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
 NEWS  7  May 07   DGENE Reload
 NEWS  8  Jun 20   Published patent applications (A1) are now in USPATFULL

 NEWS EXPRESS  May 23 CURRENT WINDOWS VERSION IS V6.0a,
               CURRENT MACINTOSH VERSION IS V5.0C (ENG) AND V5.0JB (JP),
               AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2001
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=> s n-glycoylneuraminic acid

L1 6 N-GLYCOYLNEURAMINIC ACID

=> s n-glycolylneuraminic acid

L2 1191 N-GLYCOLYLNEURAMINIC ACID

=> s (l1 and l2) and (retrovirus or hiv or aids)

L3 0 (L1 AND L2) AND (RETROVIRUS OR HIV OR AIDS)

=> s (l1 or l2) and (retrovirus or hiv or aids)

L4 6 (L1 OR L2) AND (RETROVIRUS OR HIV OR AIDS)

=> dup rem

ENTER L# LIST OR (END):l4

PROCESSING COMPLETED FOR L4
L5 2 DUP REM L4 (4 DUPLICATES REMOVED)

=> d l5 1-2 bib ab

L5 ANSWER 1 OF 2 MEDLINE DUPLICATE 1
AN 94148878 MEDLINE
DN 94148878 PubMed ID: 8106417
TI Generation of Chinese hamster ovary cell glycosylation mutants by retroviral insertional mutagenesis. Integration into a discrete locus generates mutants expressing high levels of **N-glycolylneuraminic acid.**
AU Hubbard S C; Walls L; Ruley H E; Muchmore E A
CS Center for Cancer Research, Massachusetts Institute of Technology, Cambridge 02139.
NC R01 HG00684 (NHGRI)
R01-CA40602 (NCI)
R29-GM43165 (NIGMS)
+
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1994 Feb 4) 269 (5) 3717-24.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199403
ED Entered STN: 19940330
Last Updated on STN: 19980206
Entered Medline: 19940318
AB Retroviral insertional mutagenesis can both generate somatic cell mutants and pinpoint the genomic locus associated with a mutant phenotype. In the present study, this approach was applied to Chinese hamster ovary cells (CHO) made susceptible to Moloney murine leukemia virus (MoMuLV) infection
by stable expression of an ecotropic **retrovirus** receptor. These

CHO cells were infected with a replication incompetent MoMuLV construct with a promoterless hygromycin phosphotransferase (hygro) gene inserted into the U3 region of the long terminal repeat and a second selectable marker, neomycin phosphotransferase (neo), expressed from an internal promoter. CHO clones containing integrated proviruses were selected with hygromycin or G418, and the subset of these with reduced cell surface Neu5Ac were then selected with wheat germ agglutinin (WGA). The majority of the resulting clones had a phenotype not previously described for WGA-resistant CHO mutants arising spontaneously or from chemical mutagenesis: Neu5Ac was almost completely replaced by Neu5Gc. We have provisionally termed these clones SAP mutants, for sialic acid phenotype. Southern analysis of HindIII digested DNA from four SAP mutants revealed that the MoMuLV provirus is present in a 10.4-kilobase (kb) fragment. Probing with a flanking CHO sequence resulted in equivalent hybridization to a 4.6-kb fragment and the 10.4-kb provirus-containing fragment in all four cases, while uninfected parental cells and non-SAP glycosylation mutants generated in the same **retrovirus** insertional mutagenesis experiments yielded only the 4.6-kb fragment. Sequencing of the 3'-flanking DNA revealed that each of the four SAP mutants had a unique provirus integration site falling within a 796 bp region of the CHO genome. The frequency with which SAP mutants arise suggests that this may be a preferred site for **retrovirus** integration.

L5 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2001 BIOSIS
AN 1994:47135 BIOSIS
DN PREV199497060135
TI **Retrovirus** insertional mutagenesis of an 796 bp locus in the CHO genome generates mutants expressing high levels of **N-glycolylneuraminic acid**.
AU Hubbard, S. Catherine (1); Walls, Lorraine; Ruley, H. Earl; Muchmore, Elaine A.
CS (1) Genzyme Corp., One Kendall Square, Cambridge, MA 02139 USA
SO Glycobiology, (1993) Vol. 3, No. 5, pp. 534.
Meeting Info.: 22nd Annual Meeting of the Society for Complex Carbohydrates San Juan, Puerto Rico November 17-20, 1993
ISSN: 0959-6658.
DT Conference
LA English